



PUBLIC HEALTH AGENCY of CANADA | AGENCE DE SANTÉ PUBLIQUE du CANADA



Canadian Network for Public Health Intelligence



Reducing human illness associated with infectious disease by supporting intelligence exchange, surveillance activities and outbreak investigations




Canadian Integrated Outbreak Surveillance Centre (CIOSC) - Public Health Alerts -

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June 14, 2007

Canadian Network for Public Health Intelligence


The Canadian Network for Public Health Intelligence (CNPHI)



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OVERVIEW


- Background and Outline of CNPHI
 - Early challenges
 - Goals and Scope
 - Architecture
- Highlights of CNPHI – ‘Alerting’
 - Public Health Alerts
- Meeting Our Goals
- Users / Contributors
- Future of CNPHI
- Questions / Contact Information / Reference Material



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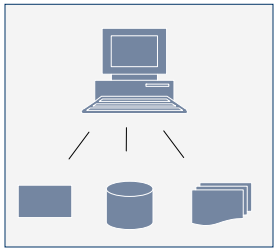
Background and Outline of CNPHI



Early Challenges

Data Exchange:


- Location:
 - *Distributed across multiple jurisdictions*
- Format:
 - *Inaccessible (e.g. paper-based, legacy systems)*
- Standards:
 - *Few exist*
- Ownership:
 - *Few formal agreements*



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Background and Outline of CNPHI



Goals and Scope

A pan Canadian, integrated system of secure, web based applications designed to:

- *Enhance and support multi-jurisdictional epidemiology and laboratory data sharing and collaboration activities,*
- *Enhance health surveillance activities, and*
- *Maintain and respect jurisdictional responsibilities*

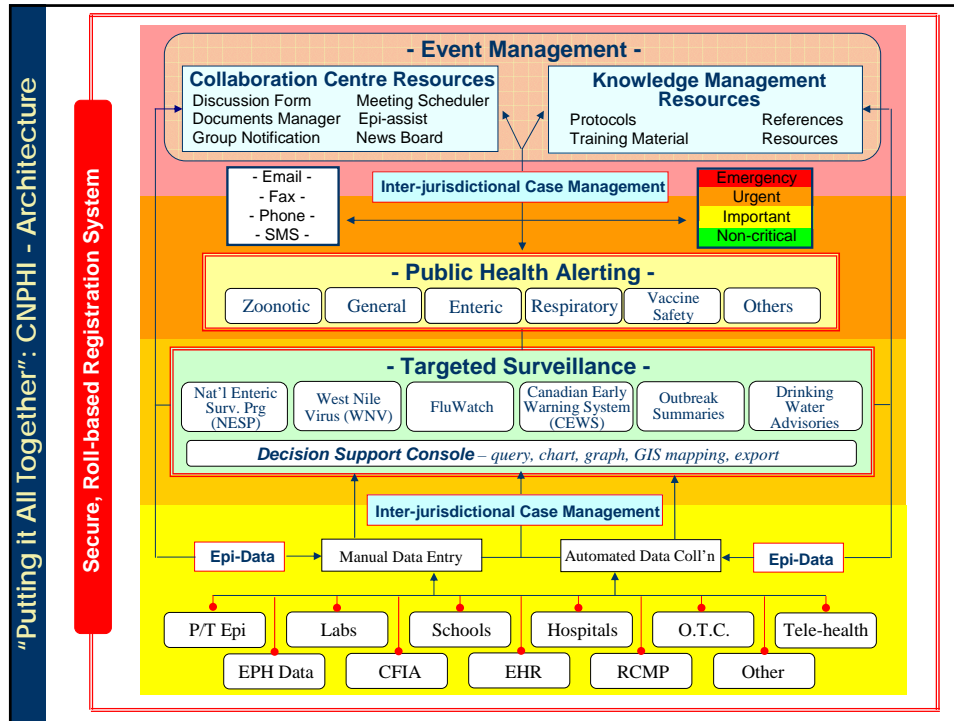
CNPHI operates under the *Public Health Agency of Canada*:

- *Centre for Infectious Disease Prevention & Control (CIDPC),*
- *National Microbiology Laboratory (NML)*

AND

Federal / Provincial / Territorial partners and stakeholders through a “program driven” process”.

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Public Health Alerting

Public Health Alerts (PHA):
A national, secure, integrated, web-based, real-time communication system. Used to rapidly notify key public health stakeholders of specific disease clusters or imminent risks affecting Canadians at the time of communication.

KEY POINTS:

- Restricted Access
- Module Structure
- Defined Roles and Jurisdictions

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Public Health Alerting

Restricted Access:

Applicants must be nominated by a Local/Regional, Provincial/Territorial (P/T) or National sponsor and agree to terms of use.

Sponsors are required to authenticate applicants within their respective jurisdictions and are typically individuals at the Health Ministry level (e.g. Provincial Epidemiologist, Medical Officer of Health etc.).

Applicants must be affiliated with an organization having an established mandate and operational need to create and/or receive alerts.

Applicants must be able to fully comprehend the subject matter typically conveyed

A recommendation for granting user access may first have to be vetted by an established working group/committee.

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Public Health Alerting

Modular Structure:

To facilitate information flow and variety of events that may occur, PHA is structurally divided into disease specific **Modules**.

Individual users can be registered to one or more Modules, depending on their operational requirements.

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Public Health Alerting

Defined Roles and Jurisdictions:

Roles refer to the range of actions a user is permitted. The ability to "post" (i.e. generate and submit information for viewing) is restricted by the user role as a mechanism to control quality and flow of information.

Readers: Can view posted information and supporting documents, receive notifications of new postings and have the ability to read postings within Modules in which they are registered.

Writers: In addition to Reader privileges, can submit information within Modules in which they are registered which are forwarded to their corresponding Reviewer for approval prior to posting.

Reviewers: In addition to Writer and Reader privileges, they assess all submissions from their jurisdiction prior to posting. This is an added measure to ensure content appropriateness and coordinated communication and response for events affecting more than one jurisdiction.

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PUBLIC HEALTH ALERTS

Home: Stephen Parker
Current Date: 27th May
Last Access: May 25, 2007 1:13:00 PM
Online Users: 121 (Max Today: 257)

ENTER, FIND, SURVEILLANCE, ALERTS, COLLABORATION, EVENT REPORT, LABORATORY

Enter, Find and Waterhouse Disease

Copy Existing

Author and Contact Information

Jurisdictional Affiliation: MD
Reporting Agency: Public Health Agency of Canada
Reporting Person: DR. est_gir_mib est_gir_mib
Contact Person: Stephen Parker
Email: stephen_parker@phac-aspc.gc.ca
Phone: 519-626-2392
Fax: 519-626-2244

Posting Information

Suspect Organism: Escherichia coli O157 H7
Setting: Food Service Establishment
Date Investigation Started: 5/15/2007
Suspect Source: Hamburger
Relevance: Localized to one HUI/RHA Only

Posting Description

Subject: E. coli outbreak in a large family restaurant food chain.
Details: The alert is intended to notify you of a large outbreak of confirmed E. coli O157 H7, national PFGE pattern O78b. The details of the alert are as follows.

Associated Alerts

No.	Subject	Reporting Date	Actions
EA.00112	E. coli O157 H7 outbreak in LTC	Mar 1, 2007	

Attached Files

Name	Actions
ecoli_outbreaks.2007.124_sas.questionnaire.doc	

Attached Links

Link	Actions
www.surgecan.gc.ca	

Additional Alert Information

Recommended Priority Level: Non-critical (GREEN)
Reviewer can update this alert: ☐
Comment to Reviewer:

Print Delete Save Submit To P/P/T Reviewer

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Public Health Alerts – screenshot of posted alert line list

The following view lists alerts based on user's access rules and module membership

Search: Search Clear

Date	No.	Priority	Subject	Jurisdiction	Status
May 30, 2007	EA-001330	High	Possible international outbreak of S. Muenchen infections	CA	Posted
May 29, 2007	EA-001329	High	Shigella and Yersinia associated with Nuevo Vallarta resort	BC	Posted
May 28, 2007	EA-001327	High	S. Agona identified in tahini	CA	Posted
May 24, 2007	EA-001324	High	Campylobacter affecting University students	ON	Posted
May 23, 2007	EA-001321	High	Salmonella cases associated with pet turtles	ON	Posted
May 18, 2007	EA-001318	High	Cas de Campylobacter-Campylobacter cases	QC	Posted
May 18, 2007	EA-001316	High	S. sonnei cluster in adult men	BC	Posted
May 18, 2007	EA-001314	High	Lab confirmed case of malaria, Canadian Traveller	CA	Posted
May 18, 2007	EA-001313	High	Hépatite A chez manipulateur d'aliments/Food handler	QC	Posted
May 15, 2007	EA-001302	High	Hépatite A in Food Handler	AB	Posted
May 11, 2007	EA-001301	High	Two V. cholerae non-01/0139 identified in one week	BC	Posted
May 7, 2007	EA-001299	High	Potential case of scorboid poisoning in BC	BC	Posted
May 4, 2007	EA-001291	High	GI Outbreak investigation in Banff Conference Attendees	AB	Posted
May 4, 2007	EA-001291	High	Outbreak of Salmonella Heidelberg: Private Function	ON	Posted
May 2, 2007	EA-001287	High	S. enteritidis related to travel to Bahai Principe resort	CA	Posted
Apr 25, 2007	EA-001283	High	Increase in S. Typhimurium PT108 cases	ON	Posted
Mar 14, 2007	EA-001276	High	Familial cluster of S. paratyphi B var Java - update	NS	Posted

[User Agreement](#) - [Contact Administrator](#) - [User Policy](#) - [Liability and Disclaimer](#)
Build Number: 02.07.04.06.02.070518

Public Health Alerts – screenshot of a posted alert

EA-001534 Subject: S. Oranienburg - Peanut outbreak

Canada
Public Health Agency of Canada

Audience
Viewing: NL, NS, NB, Que, Ont, Man, Sask, Alta, BC, PPT Reviewers, PHAC, YT, NWT, NU, PEI
Notified: PHAC, PPT Reviewers

Author and Contact Information
Posting Number: EA-001534 (View History)
Reporting Date: May 30, 2007
Person Reporting: DR. est. ca
Contact Person: Stephen Parker
Email: stephen_parker@phac-sage.gc.ca
Phone Numbers: 519-926-2392
Fax Numbers: 519-926-3244

Posting Information
Suspect Organism: Salmonella oranienburg
Suspect Source: Peanut
Setting: More than one setting
Location of Cases: National (more than one PPT)
Date Investigation Started: May 25, 2007

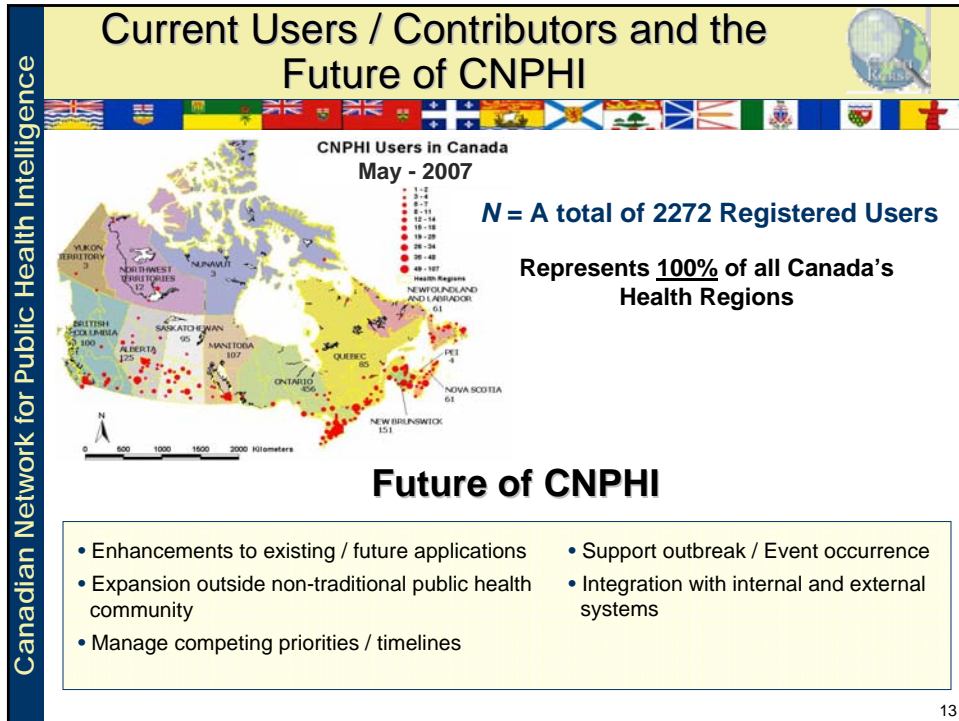
Posting Description
There has been an outbreak of Salmonella oranienburg reported in a multiple provinces associated to the consumption of peanuts.

Attached Files
phac050507.pdf

Attached Links
CN2701

Print Mail Contact Person Update Viewing/Notification

[User Agreement](#) - [Contact Administrator](#) - [User Policy](#) - [Liability and Disclaimer](#)
Build Number: QA 02.07.04.06.02.070518



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For More Information

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<http://www.cnphi-rcrsp.ca>

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